

FIG. 1

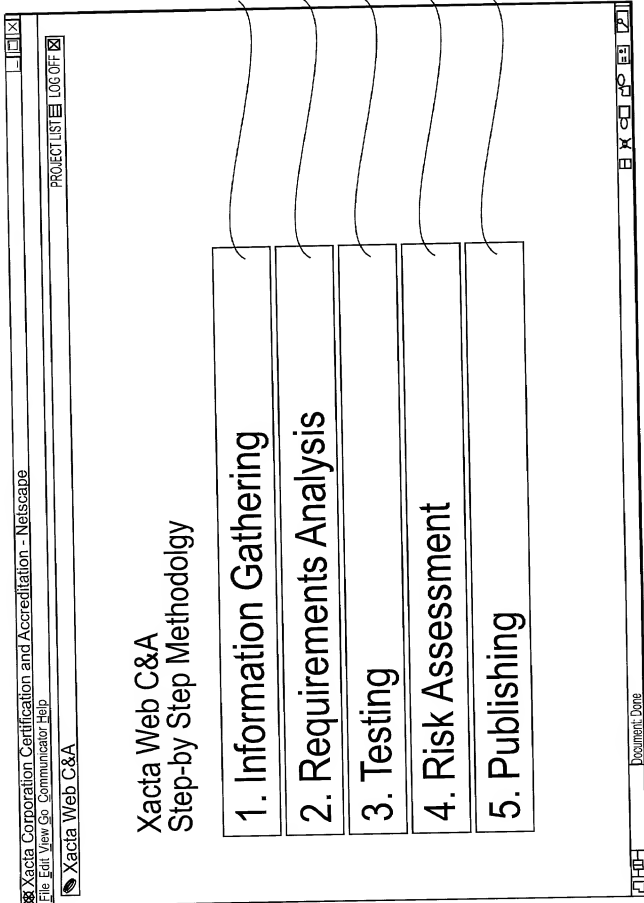


FIG. 2

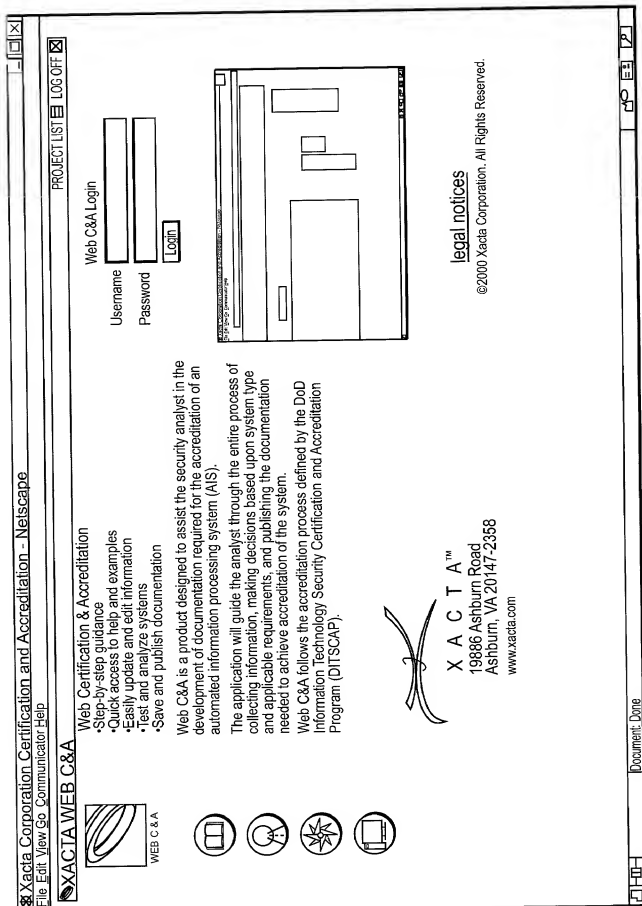


FIG. 3

FIG. 4

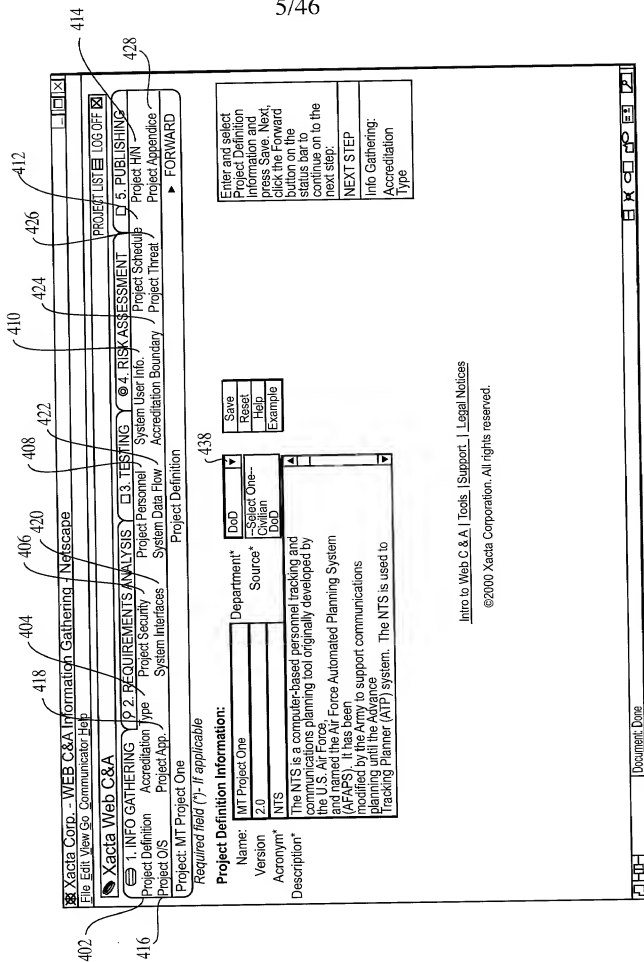


FIG. 5

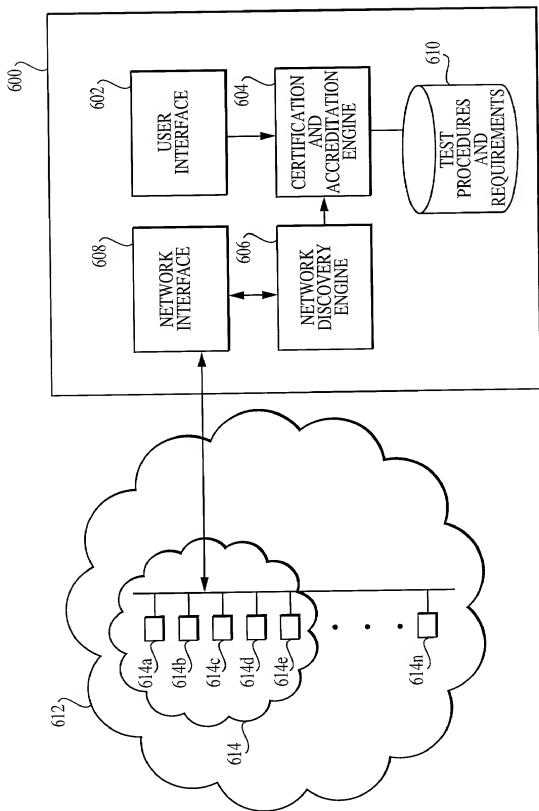


FIG. 6

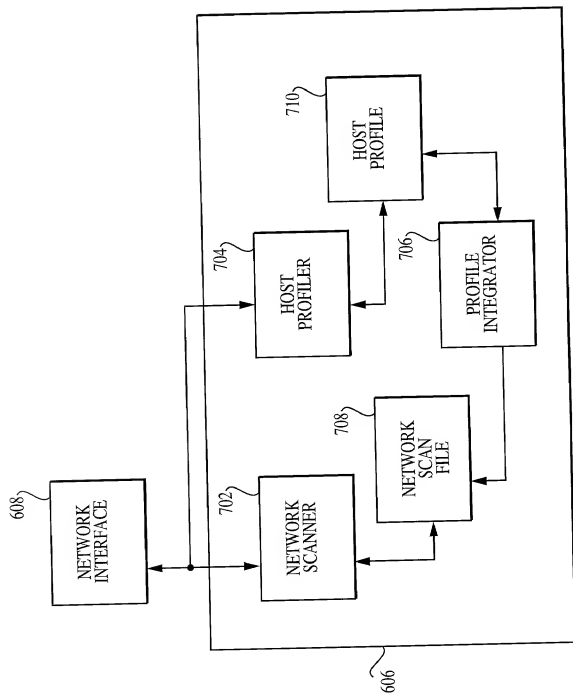


FIG. 7

802 [Network]
 802a Name = Xacta
 806 [Segment]
 807 Name = Office
 806a Network = Xacta
 806b IPRange = 192.168.0.0-255
 806c ScanDate = 12-01-2000
 806d ScanDate = 12-15-2000
 808 [Host]
 808a IPAddress = 192.168.0.10
 808b MAC = 01 02 03 04 05 06
 808c Hostname = Banana
 808d OS = Windows 98
 808e Version = 2
 810 [Host]
 810a IPAddress = 192.168.0.20
 810b MAC = 01 02 03 08 00 09
 810c Hostname = Peach
 810d OS = Windows NT
 810e Version = 4.0
 810f Mfr = HP
 810g Model = Vectra XJ12
 810h CPU = Pentium II
 810i CPU Qty = 1
 810j CPU Speed = 400 MHz
 810k RAM = 128 MB
 810l Disk Space = 60 GB
 810l Software = Microsoft Office 8.0
 810m Software = Autocad 14.1
 810n Software = Adobe Acrobat 3.0
 810o Software = Roadhog 1.1
 810p

FIG. 8

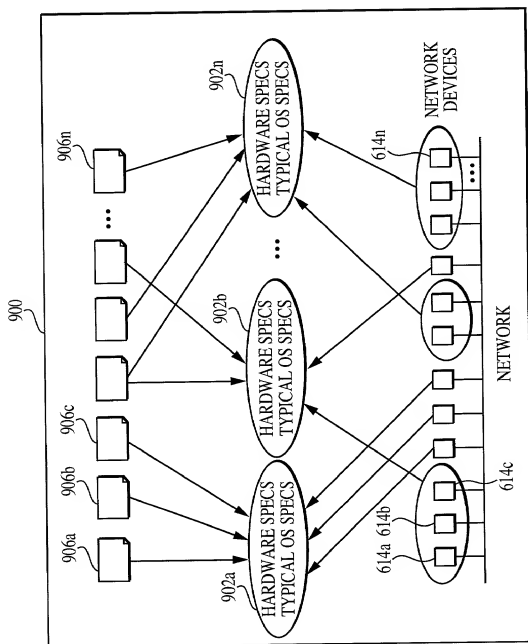


FIG. 9

1002

1004

1006

1008

1010

1014

FIG. 10

Address: http://webdev:81/webca30/WebcaController?next=ModifyPlatformCategory&PlatID=1

XACTA WEB C&A™ 2001

I. Information Gathering

PROJECT: TestWeb C&A 2001

STAGE: I. Information Gathering

STEPS:

1. Project Definition
2. System Parameters
3. System Security
4. Project Personnel
5. Project Milestones
6. System Users
7. Platform Categories
8. Software Inventory
9. Equipment Inventory
10. System Interfaces
11. System Data Flow
12. Accreditation Boundary
13. System Environment

II. Requirements Analysis

Platform Category: Product Development V

Description: Product development Web server is use by PD for developing and testing web based solution for vertical/market sales

Estimated Quantity: 3

Test Strategy*: Select One

IP Address Range: 10.4.40.23-10.4.40.25

Hardware Specs

Hardware Family*: Server

Manufacturer: Dell

Model: PowerEdge 1300

Serial Number: ZX24S

Location: Product Development Labor

CPU Type: Intel pentium III

CPU Number: Intel pentium

CPU Speed: 700Mhz

RAM: 512 Meg

Disk Size: 18 GB

Disk Description: 29 Gigabyte SCSI-II Drives, No Raid

Other Storage: 60 Gigabyte Streaming tape system

Display: 19 inch KDS SVGA

Other Hardware:

III. Testing

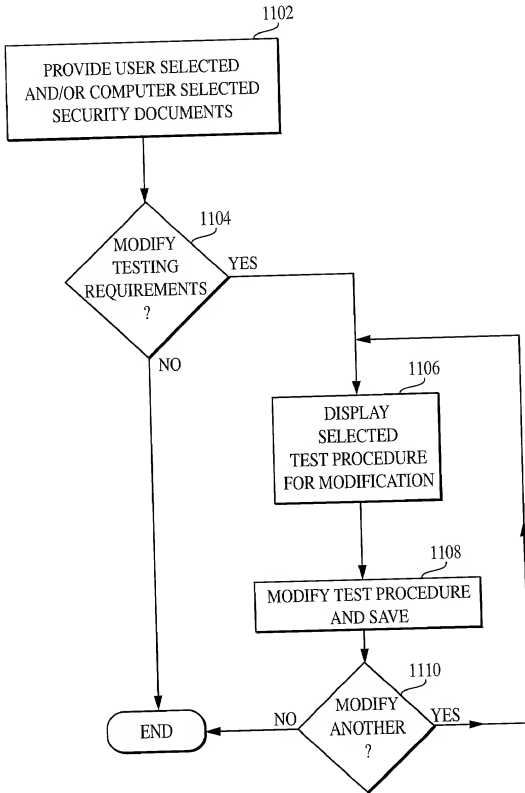


FIG. 11

12/46

1201 Xacta Corp. - WEB C&A Requirements Analysis - Netscape
File Edit View Go Communicator Help

Xacta Web C&A
Generate Baseline SRTM

PROJECT LIST: 03 OFF 03 OFF

1. INFO GATHERING 2. REQUIREMENTS ANALYSIS 3. TESTING 4. RISK ASSESSMENT 5. PUBLISHING
Display Current SRTM Add Requirement

Project: MT Project One
Generate Baseline SRTM

Required field (*) - if applicable

Currently selected Security Regulation Documents ☒ **User Defined Requirement Exists** ☐ 1214

1202 ☐ Army Regulation (AR) 380-10 Information System Security

1204 ☒ DISC4 Procedural Guidelines for NT

1206 ☐ DoD 5200.28 STD DoD Trusted Computer System Evaluation Criteria (Orange Book)

1208 ☒ DoD Directive C-5200.5 Communications Security (COMSEC)

1210 ☐ Program Engineering Office for Command, Control, and Communications Systems (PEO C3S) Security Configuration Policy (SCP) for Unix Hosts

1212 ☐ SECNAVINST 5238.3 DoN Information Systems Security (INFOSEC) Program

☐ DISC4 Procedural Guidelines for Unix 1216

☐ DoD Directive 5200.28 Security Requirements for Automated Information Systems (AISs) 1218

☒ OPNAVINST 5238-18 Navy Information Assurance (IA) Program 1220

☐ Program Engineering Office for Command, Control, and Communications Systems (PEO C3S) Security Specification for ATCCS (SSA) 1222

☒ US Army Del-In Policy 1224

Select applicable Regulations and Document. Next, click the Forward button on the status bar to continue on to the next step.

NEXT STEP
Requirements Analysis.
Display Current SRTM

Save
Reset
Help

Intro to Web C & A | Tools | Support | Legal Notices
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Document Done

FIG. 12

| | | | |
|--|-----------|---------------------------------------|--------------------|
| Xacta Corp. - WEB C&A Requirements Analysis - Netscape | | PROJECT LIST LOG OFF | |
| File Edit View Go Communicator Help | | | |
| Xacta Web C&A | | D 5. PUBLISHING | |
| 1. INFO GATHERING | | 4. RISK ASSESSMENT | |
| Generate Baseline SRTM | | Add Requirement | |
| Project: MT Project One | | BACK FORWARD | |
| Required field (*) - If applicable | | | |
| SRTM Publishing: Appendix F | | | |
| Source Document | Paragraph | Title | Stated Requirement |
| DoD5200.5 | D.1 | Protection of transmitted information | View Details |
| DoD5200.5 | D.3 | Use of NSA endorsed COMSEC products | View Details |
| DoD5200.5 | D.4 | Protection of Sensitive Information | View Details |
| OPNAV5238.1B | 6 | OPNAV Policy | View Details |
| Page 1 of 1 | | | |
| After viewing and/or editing Requirements, click the Forward button on the status bar to continue on to the next step. | | | |
| NEXT STEP | | | |
| Requirements Analysis. | | | |
| Add Requirements | | | |
| Intro to Web C & A Tools Support Legal Notices | | | |
| ©2000 Xacta Corporation. All rights reserved. | | | |
| Document Done | | | |

FIG. 13

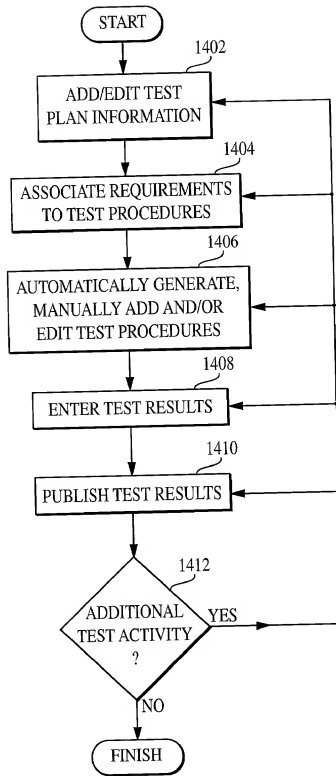


FIG. 14

4

105780" 89822850

Xacta Corp. - WEB C&A Testing - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Refresh Stop Search Home Print Edit Discuss Messenger

Address http://lath/webca1.1/Test/webca_AssociateTest_Proc.asp

PROJECT LIST LOG OFF

Xacta Web C&A

1. INFO GATHERING 2. REQUIREMENTS ANALYSIS 3. TESTING 4. RISK ASSESSMENT 5. PUBLISHING

Test Plan Info Associate Requirements Enter Test Results Security Check List

Project: user01 Associate Requirements BACK FORWARD

Warning: Previously published sections related to "Associate Requirements" must be re-published to reflect your changes
Required field (*)- If applicable

Page 1 of 1

| SourceDoc | Paragraph | Title | Create ST&E | Create ST&E | Associate |
|-----------|-----------|-------|--------------------------|--------------------------|--------------------------|
| BBBB | BBBB | BBBB | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

1604 1608 1610 1606

Help

Select a Requirement you wish to associate with a Test Procedure. You may also create a new ST&E or CT&E procedure and associate it. After associating all the requirements to test procedures click the Forward button on the status bar to continue on to the next step.

NEXT STEP

Testing:

Test Procedures

Done Local Intranet

FIG. 16

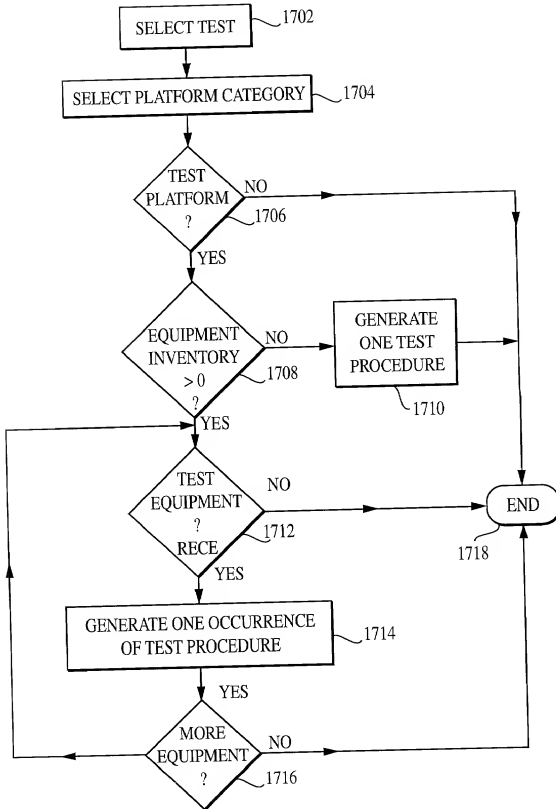


FIG. 17

http://lathawebca1.1/Test/webca CreateTestProc.asp - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Refresh Home Search Favorites History Mail Print Edit Discuss Messenger

Address http://lathawebca1.1/Test/webca CreateTestProc.asp

Xacia Web C&A

PROJECT LIST LOG OFF

1. INFO GATHERING 2. REQUIREMENTS ANALYSIS 3. TESTING 4. RISK ASSESSMENT 5. PUBLISHING

Test Plan Info Associate Requirements Test Procedures Enter Test Results Security Check List

Project: user01 Add Test Procedure BACK FORWARD

Warning: Previously published sections related to "Add Test Procedure" must be re-published to reflect your changes
Required field (*) - If applicable

Associated Requirement: BBBB-BBBB-BBBB

Test Title * 1802

Category * 1804

Expected Result * 1810

Test Procedure *

1808

1812

Associate Clear Help

NEXT STEP

Testing: Security Check List

Local Intranet

FIG. 18

Xacta Corp. - Web C&A Testing - Microsoft Internet Explorer
File Edit View Favorites Tools Help

Back Forward Stop Refresh Home Search Favorites History Mail Print Edit Discuss Messenger

Address http://latho/webcal1.1/test/webca Create TestProc.asp

PROJECT LIST LOG OFF

Xacta Web C&A

1. INFO GATHERING 2. REQUIREMENTS ANALYSIS 3. TESTING 4. RISK ASSESSMENT 5. PUBLISHING

Test Plan Info Associate Requirements Test Procedures Enter Test Results Security Check List

Project: user01

BACK FORWARD

Warning: Previously published sections related to "Edit Test Procedure" must be re-published to reflect your changes

Required field (*) - If applicable

1802

1804

1901

Test Title *

Category *

Equipment under test:

NT-Mail Server

1808

Test Procedure *

Prerequisites: one valid username (UserA) and password for the system being tested.

Attempt to log on as UserA, but enter the wrong password. The system should display an error message then return to the login window/prompt.

Account locked out after 3 unsuccessful login attempts

1810

Expected Result *

User account will be locked out after 3 consecutive unsuccessful login attempts.

1902

1904

1806

Save

Reset

Help

1906

NEXT STEP

Testing:

Enter Test Results

Done Local Internet

FIG. 19

FIG. 20A

FIG. 20A

Xacta Corp. - Web C&A Testing - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Refresh Home Search Favorites History Mail Print Edit Discuss Messenger

Address http://lathna.webcat.1/Test/webcat.1/Test/webcat.1/Test/Proc.asp

Go Go Links >

Xacta Web C&A

1. INFO GATHERING
2. REQUIREMENTS ANALYSIS
3. TESTING
4. RISK ASSESSMENT
5. PUBLISHING

Test Plan Info
Associate Requirements
Test Procedures
Enter Test Results
Security Check List

Project: Communications Planning System
Enter Test Results
BACK FORWARD

Test Title Access via Unauthenticated Login
Category * Compusec
Test Procedure * Equipment under test/Other-Def PowerEdge

Test Title * 1802
Category * 1806
Test Procedure * 1710

None of the entries in /etc/hosts equiv contain ?+? or non-local host names.
None of the entries in /etc/hosts.1pd contain ?+? or non-local.

None of the entries in /etc/hosts.1pd contain ?+? or non-local.

Result Notes:

Tester *
Date *

Save
Reset
Help

After completing the section, save your changes and click on the Forward button on the status bar to continue on to the next step or click the Back button on the status bar to return to the previous step.

NEXT STEP

Testing:
Security Check List

Done

Intro to Web C&A Tools Support Legal Notices

Local intranet

FIG. 20B

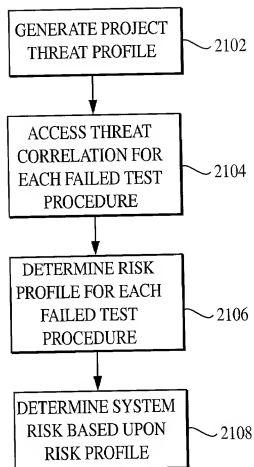


FIG. 21

FIG. 23

| IF A CHARACTER POSITION IN THE PROJECT THREAT PROFILE STRING IS: | AND THE CORRESPONDING CHARACTER POSITION IN THE THREAT CORRELATION STRING IS: | THEN THE CORRESPONDING CHARACTER POSITION IN THE RISK PROFILE STRING IS: |
|---|---|--|
| N | ANYTHING | N |
| L | N | L |
| L | L | L |
| L | M | L |
| L | H | M |
| M | N | N |
| M | L | L |
| M | M | M |
| M | H | M |
| H | N | N |
| H | L | M |
| H | M | H |
| H | H | H |

FIG. 24

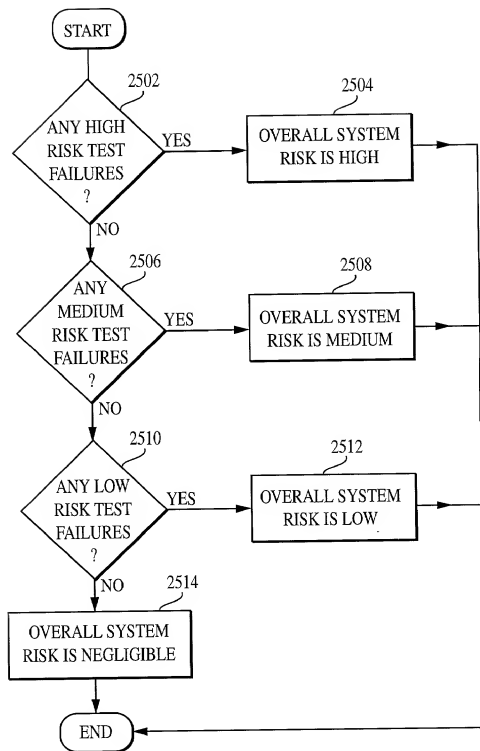


FIG. 25

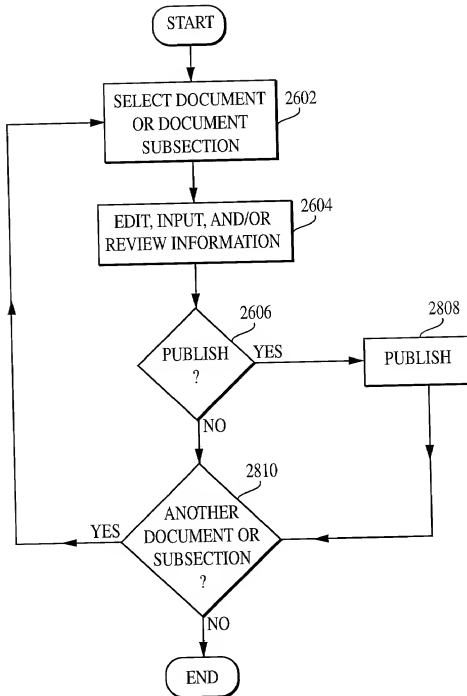


FIG. 26

| | | | | | | | | | | | | | | | | | | | | | |
|---|------------------------------------|------------------------|----------------------------|---------------------------|--------------------------|--|--|--------------------------------|----------------------------------|-----------------------------|----------------------------|-------------------------|-----------------------------|-----------------|--------------|---------------|------------------------------|----------------------|--|------------------------|---|
| SSAA Main Menu-Netshare File Edit View Go Communicator Help | | | | | | | | | | | | | | | | | | | | | |
| Xacta Web C&A | | | | | | | | | | | | | | | | | | | | | |
| <div style="display: flex; justify-content: space-between; align-items: center;"> <div> 1. INFO GATHERING Classification </div> <div> 2. REQUIREMENTS ANALYSIS SSAA </div> <div> 3. TESTING Appendices </div> <div> 4. RISK ASSESSMENT 5. PUBLISHING </div> </div> | | | | | | | | | | | | | | | | | | | | | |
| Project: MT Project One | | | | | | | | | | | | | | | | | | | | | |
| Required field (*) - If applicable Select an SSAA subsection to work on: | | | | | | | | | | | | | | | | | | | | | |
| <div style="border: 1px solid black; padding: 5px;"> <div style="display: flex; justify-content: space-between;"> 2702 OK </div> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>1.1 System Name and Identification</td> </tr> <tr> <td>1.2 System Description</td> </tr> <tr> <td>1.3 Functional Description</td> </tr> <tr> <td>1.3.1 System Capabilities</td> </tr> <tr> <td>1.3.2 System Criticality</td> </tr> <tr> <td>1.3.3 System Sensitivity of Data Processed</td> </tr> <tr> <td>1.3.4 System Operator Description and Clearance Levels</td> </tr> <tr> <td>1.3.5 Life-Cycle of the System</td> </tr> <tr> <td>1.4 System Concept of Operations</td> </tr> <tr> <td>2.1 Operational Environment</td> </tr> <tr> <td>2.1.1 Facility Description</td> </tr> <tr> <td>2.1.2 Physical Security</td> </tr> <tr> <td>2.1.3 Administrative Issues</td> </tr> <tr> <td>2.1.4 Personnel</td> </tr> <tr> <td>2.1.5 COMINT</td> </tr> <tr> <td>2.1.6 TEMPEST</td> </tr> <tr> <td>2.1.7 Maintenance Procedures</td> </tr> <tr> <td>2.1.8 Training Plans</td> </tr> <tr> <td>2.2 System Development and Maintenance Environment</td> </tr> <tr> <td>2.3 Threat Description</td> </tr> </table> </div> | 1.1 System Name and Identification | 1.2 System Description | 1.3 Functional Description | 1.3.1 System Capabilities | 1.3.2 System Criticality | 1.3.3 System Sensitivity of Data Processed | 1.3.4 System Operator Description and Clearance Levels | 1.3.5 Life-Cycle of the System | 1.4 System Concept of Operations | 2.1 Operational Environment | 2.1.1 Facility Description | 2.1.2 Physical Security | 2.1.3 Administrative Issues | 2.1.4 Personnel | 2.1.5 COMINT | 2.1.6 TEMPEST | 2.1.7 Maintenance Procedures | 2.1.8 Training Plans | 2.2 System Development and Maintenance Environment | 2.3 Threat Description | <div style="border: 1px solid black; padding: 5px;"> <div style="display: flex; justify-content: space-between;"> 2702 OK </div> <div style="border: 1px solid black; padding: 5px;"> <p>You should begin by selecting SSAA subsection 1.1. After completing that section, move on to 1.2, 1.3, etc. After completing sections 1 - 6, click the forward arrow on the status bar to move on to the next step.</p> <p>NEXT STEP</p> <p>Publishing:</p> <p>Main Appendices Navigation</p> </div> </div> |
| 1.1 System Name and Identification | | | | | | | | | | | | | | | | | | | | | |
| 1.2 System Description | | | | | | | | | | | | | | | | | | | | | |
| 1.3 Functional Description | | | | | | | | | | | | | | | | | | | | | |
| 1.3.1 System Capabilities | | | | | | | | | | | | | | | | | | | | | |
| 1.3.2 System Criticality | | | | | | | | | | | | | | | | | | | | | |
| 1.3.3 System Sensitivity of Data Processed | | | | | | | | | | | | | | | | | | | | | |
| 1.3.4 System Operator Description and Clearance Levels | | | | | | | | | | | | | | | | | | | | | |
| 1.3.5 Life-Cycle of the System | | | | | | | | | | | | | | | | | | | | | |
| 1.4 System Concept of Operations | | | | | | | | | | | | | | | | | | | | | |
| 2.1 Operational Environment | | | | | | | | | | | | | | | | | | | | | |
| 2.1.1 Facility Description | | | | | | | | | | | | | | | | | | | | | |
| 2.1.2 Physical Security | | | | | | | | | | | | | | | | | | | | | |
| 2.1.3 Administrative Issues | | | | | | | | | | | | | | | | | | | | | |
| 2.1.4 Personnel | | | | | | | | | | | | | | | | | | | | | |
| 2.1.5 COMINT | | | | | | | | | | | | | | | | | | | | | |
| 2.1.6 TEMPEST | | | | | | | | | | | | | | | | | | | | | |
| 2.1.7 Maintenance Procedures | | | | | | | | | | | | | | | | | | | | | |
| 2.1.8 Training Plans | | | | | | | | | | | | | | | | | | | | | |
| 2.2 System Development and Maintenance Environment | | | | | | | | | | | | | | | | | | | | | |
| 2.3 Threat Description | | | | | | | | | | | | | | | | | | | | | |

FIG. 27

2702

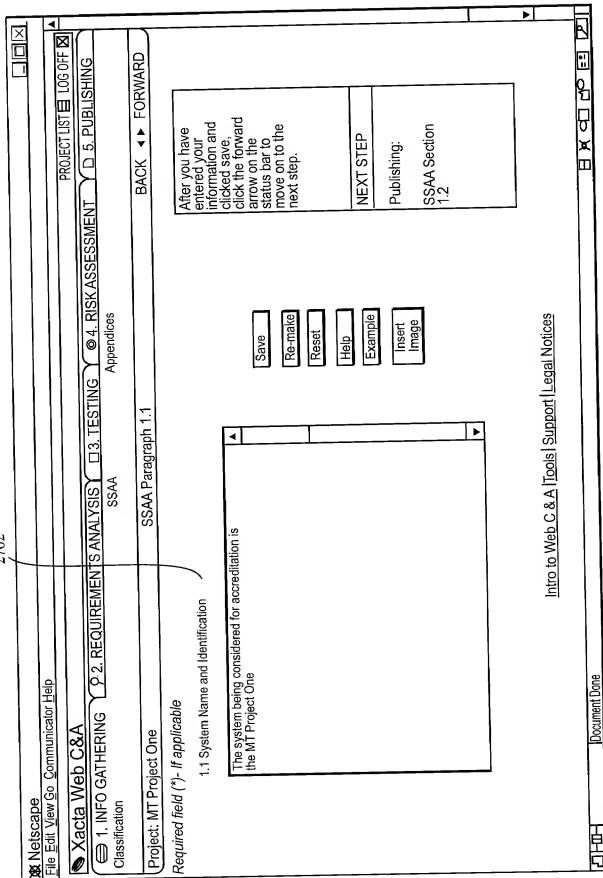


FIG. 28

| | |
|--|--|
| <input checked="" type="checkbox"/> Appendices Main Menu -Netscape File Edit View Go Communicator Help | |
| <div style="text-align: right;"> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> </div> | |
| <div style="display: flex; justify-content: space-between;"> <div> Xacta Web C&A Classification </div> <div> PROJECT LIST <input checked="" type="checkbox"/> LOG OFF <input checked="" type="checkbox"/> <input type="checkbox"/> 5. PUBLISHING </div> </div> | |
| <div style="display: flex; justify-content: space-between;"> <div> <input checked="" type="checkbox"/> 1. INFO GATHERING SSAA </div> <div> <input type="checkbox"/> 3. TESTING Appendices </div> <div> <input checked="" type="checkbox"/> 4. RISK ASSESSMENT Appendices </div> </div> | |
| <div style="display: flex; justify-content: space-between;"> <div> Project: MT Project One Required field (*) - If applicable Select an Appendix to work on: </div> <div> Main Appendices Navigation BACK <input type="button"/> FORWARD <input type="button"/> </div> </div> | |
| <div style="display: flex;"> <div style="flex: 1;"> <p>2902</p> <div style="border: 1px solid black; padding: 5px;"> <input type="button"/> OK </div> </div> <div style="flex: 2;"> <div style="border: 1px solid black; padding: 5px;"> <p>A. Acronyms</p> <p>B. Definitions</p> <p>C. References</p> <p>D. System Concept of Operations</p> <p>E. Information Security Policy</p> <p>F. Security Requirements Traceability Matrix (SRTM)</p> <p>G. Certification Test Evaluation Plan and Procedures</p> <p>H. Certification Test Evaluation Plan and Procedures</p> <p>I. Applicable System Development Artifacts or System Documents</p> <p>J. System Rules of Behavior</p> <p>K. Incident Response Plan</p> <p>L. Contingency Plans</p> <p>M. Personnel/Technical Security Controls</p> <p>N. Memoranda of Agreement</p> <p>O. Security Education, Training and Awareness Plan</p> <p>P. Certification Test Results</p> <p>Q. Risk Assessment Results</p> <p>R. Certification and Accreditation Statement</p> </div> <div style="flex: 1; padding-left: 10px;"> <p>Support Legal Notices</p> <p>operation. All rights reserved.</p> </div> </div> </div> | |
| <div style="display: flex; justify-content: space-between;"> <div> <input type="button"/> <input type="button"/> <input type="button"/> <input type="button"/> <input type="button"/> <input type="button"/> <input type="button"/> </div> <div> Document Done </div> </div> | |

You should begin by selecting Appendices section A, B...R.

FIG. 29

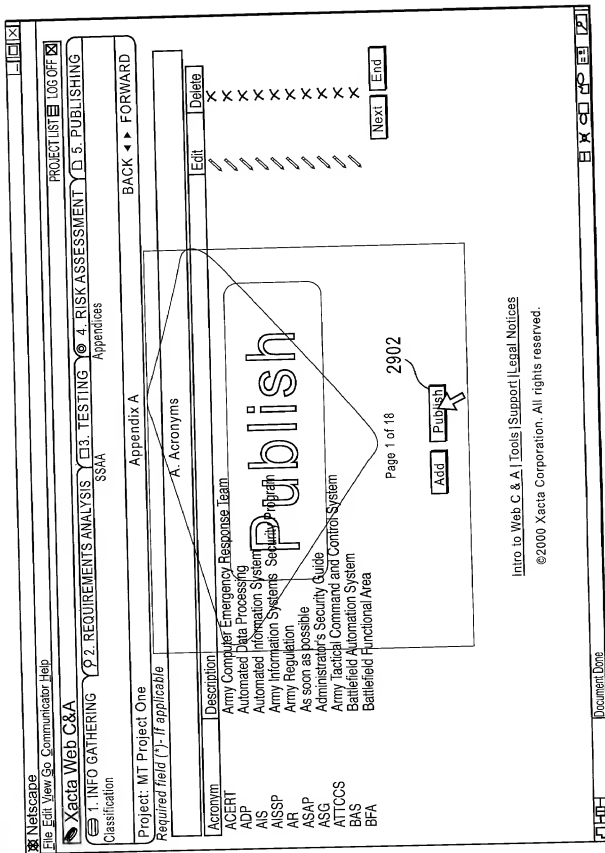


FIG. 30

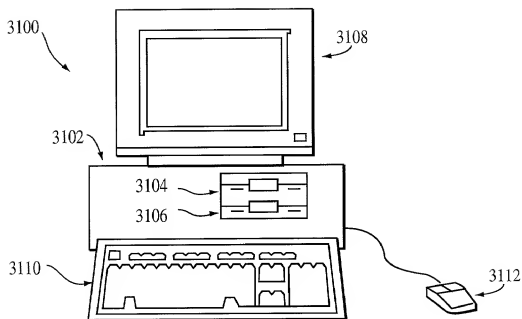


Fig. 31

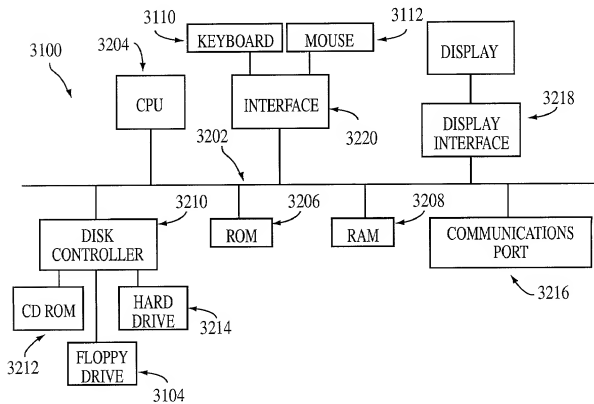


Fig. 32

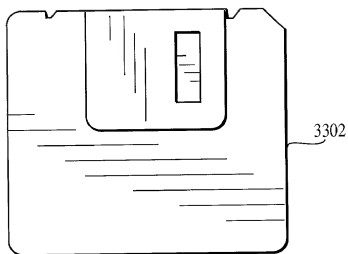


FIG. 33

| WCA_ThreatCategory |
|--------------------|
| categoryRank |
| rank |
| threatCategory |
| threatElement |

| WCA_ClassWeight |
|-----------------|
| PK ID |
| characteristic |
| alternative |
| weight |
| applPubFormat |

| WCA_OSSource |
|-----------------|
| PK osReferences |
| osFamily |
| osMfr |
| osName |
| osVersion |
| osPatchLevel |

| WCA_MISecClass |
|----------------|
| ID |
| maxDateClass |
| minUserClear |
| case1 |
| case2 |
| case3 |

| WCA_DocEventSrc |
|-----------------|
| applPubFormat |
| documentEvent |

| WCA_SysUserCategory |
|----------------------|
| PK sysUserCategoryID |
| category |
| categoryType |

| WCA_MarkerLookup |
|------------------|
| marker |
| sqlStatement |
| retrievalType |
| errorMessageText |

| WCA_InfoCategory |
|------------------|
| PK infoCatID |
| infoCatName |
| infoCatValue |
| rank |
| weight |

| WCA_LookupMgr |
|-------------------|
| PK tableName |
| PK columnName |
| webCalLookupsID |
| lookupDescription |
| wiSize |

| WCA_TestProcSrc |
|-------------------|
| PK templateID |
| cat1 |
| cat2 |
| cat3 |
| osType |
| testText |
| expectedResult |
| testInstance |
| testTitle |
| certAnalysisLevel |
| threat |
| impactStatement |
| interviewFlag |
| observationFlag |
| testFlag |
| documentFlag |
| testCategoryID |

| WCA_HelpExampleSrc |
|--------------------|
| PK ID |
| PK applPubFormat |
| page |
| type |
| title |
| helpnext |
| height |
| width |
| seeAlso |
| pageID |
| heading |
| sigID |

| WCA_AuditLog |
|--------------|
| PK id |
| PID |
| ProjectName |
| TableName |
| KeyValues |
| StageName |
| ProcessStep |
| PageID |
| UserID |
| IPAddress |
| ActionDesc |
| ActionStatus |
| ActionTime |
| EventTime |
| ErrorMessage |
| UserName |

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| | |
|----------|----------|
| FIG. 34A | FIG. 34B |
| FIG. 34C | FIG. 34D |
| FIG. 34E | FIG. 34F |
| FIG. 34G | FIG. 34H |
| FIG. 34I | FIG. 34J |
| FIG. 34K | FIG. 34L |
| FIG. 34M | FIG. 34N |

FIG. 34

FIG. 34A

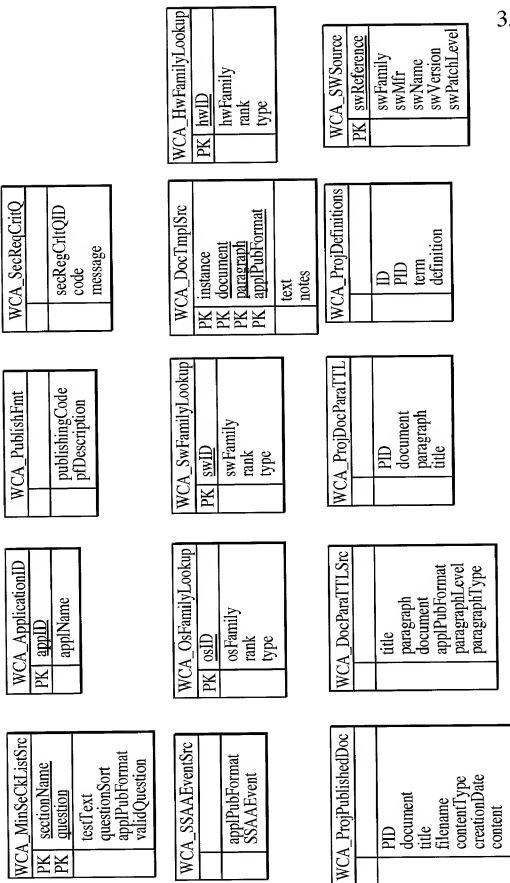
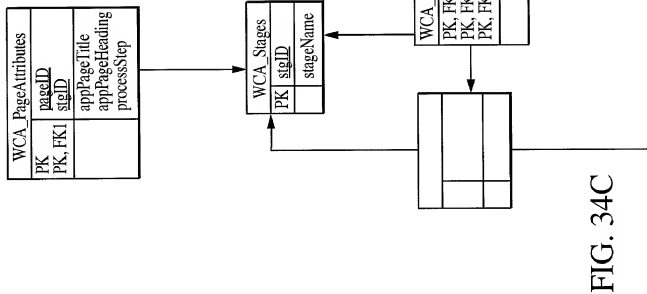


FIG. 34B



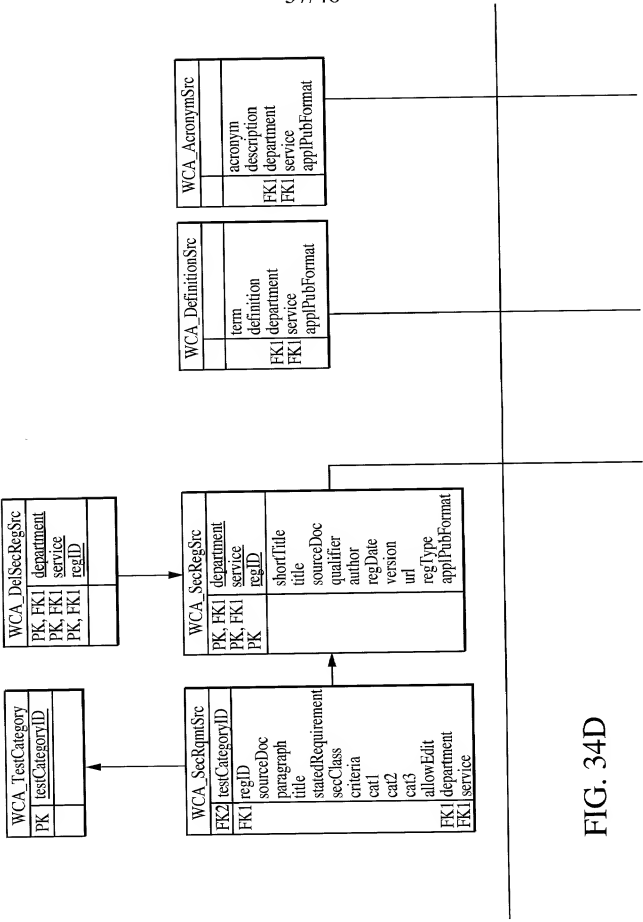


FIG. 34D

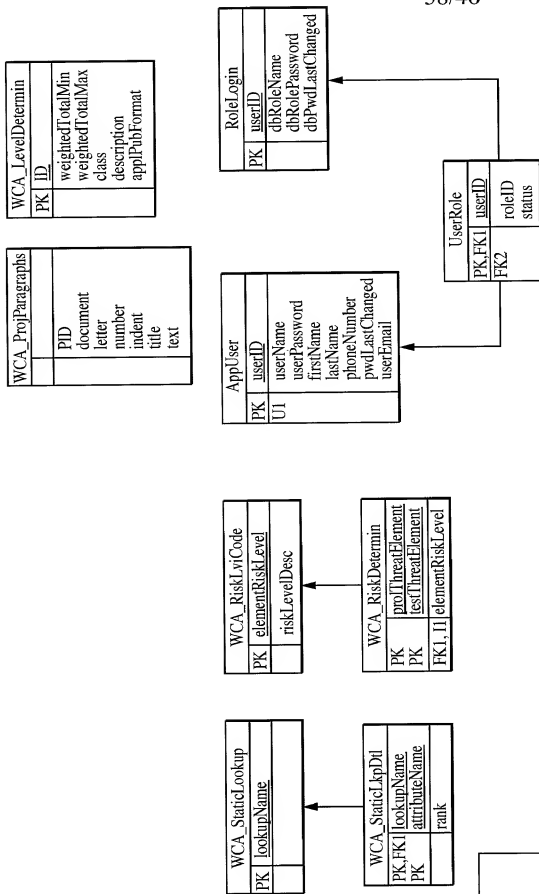


FIG. 34E

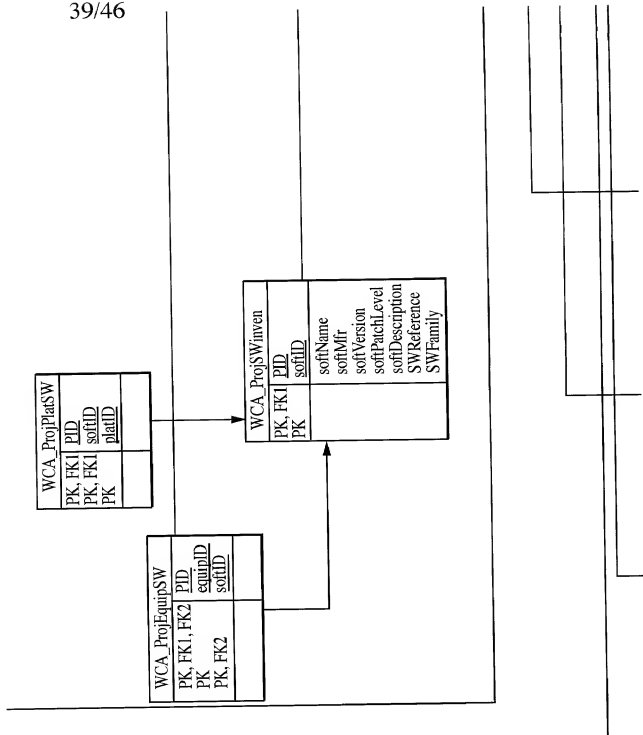


FIG. 34F

FIG. 34G

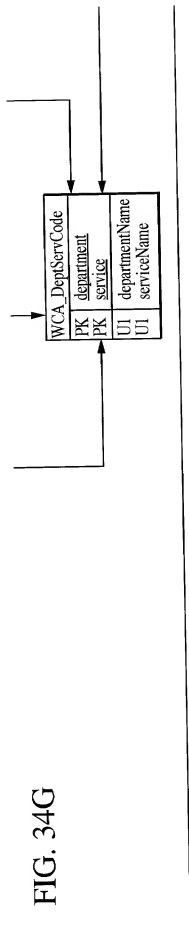
[illegible]

FIG. 34H

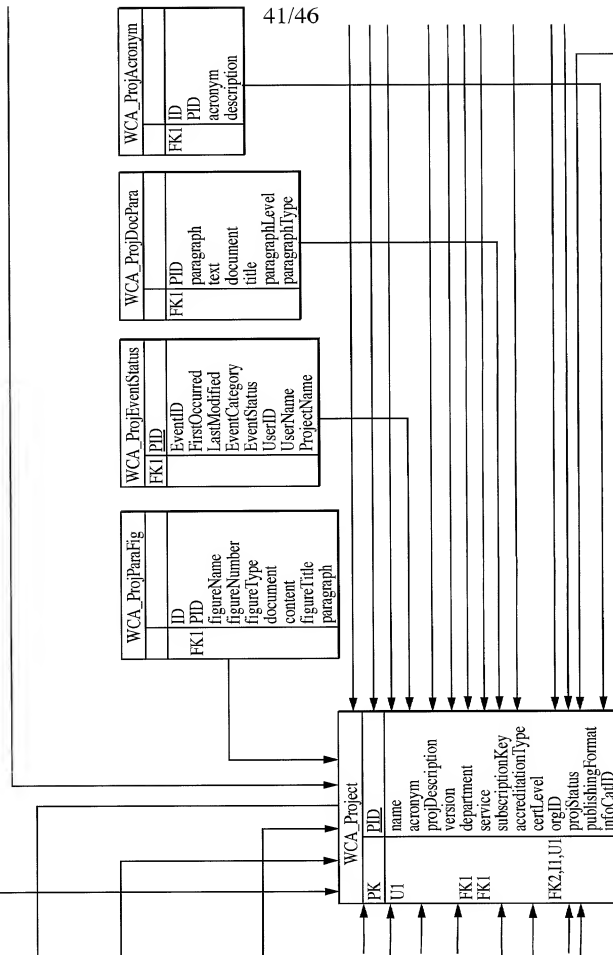
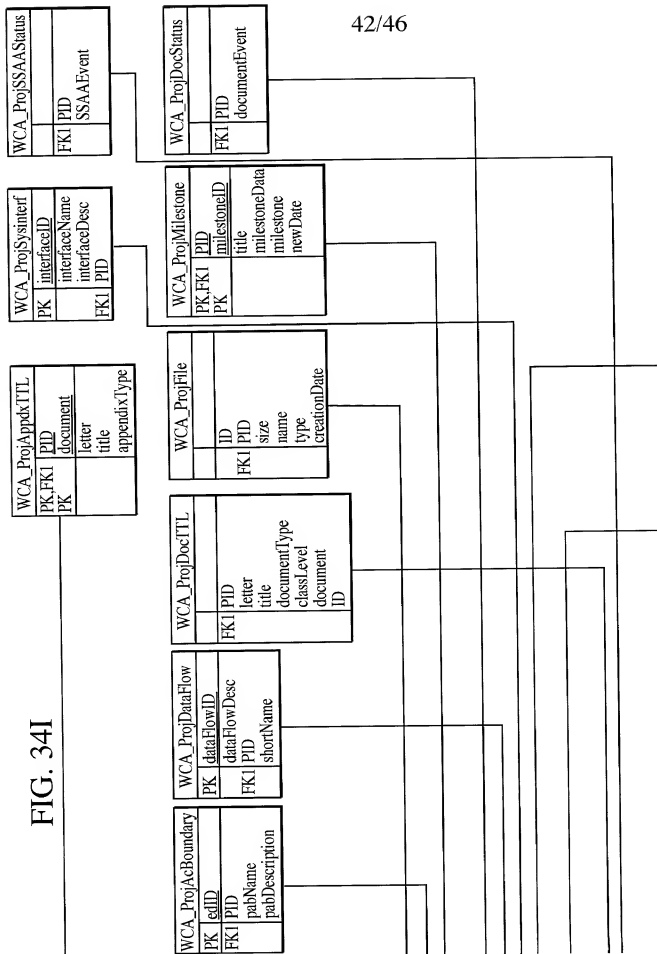


FIG. 34I



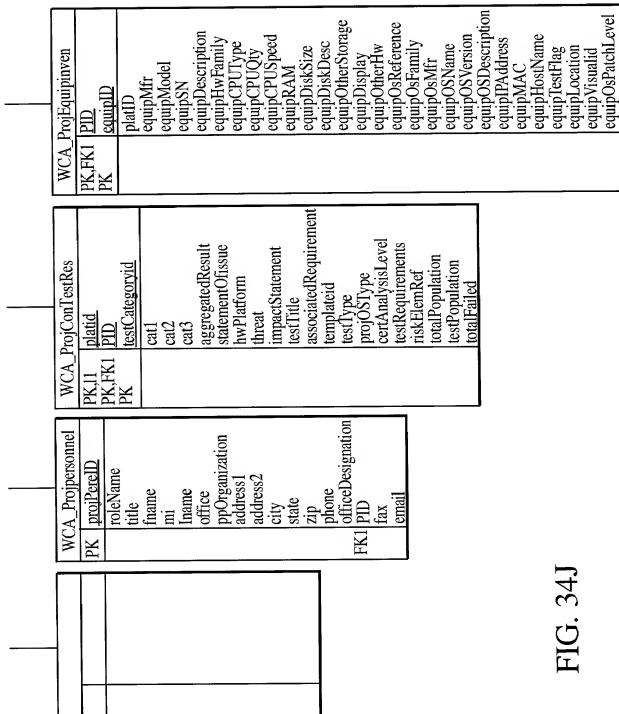


FIG. 34J

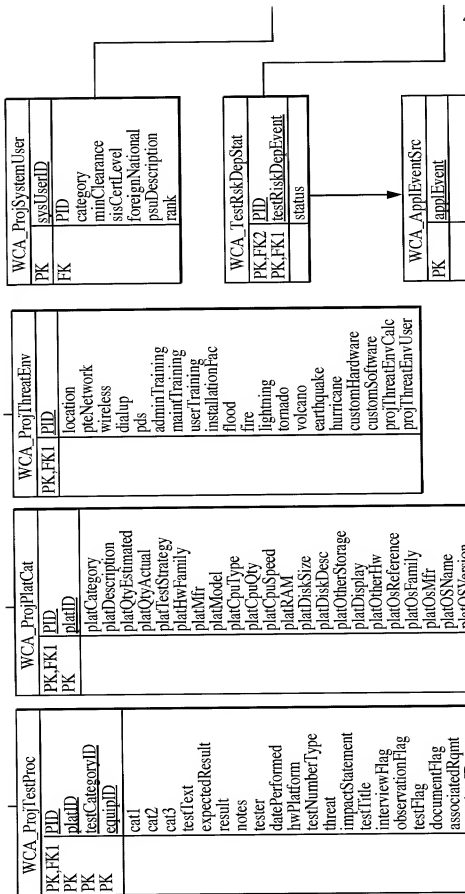


FIG. 34K

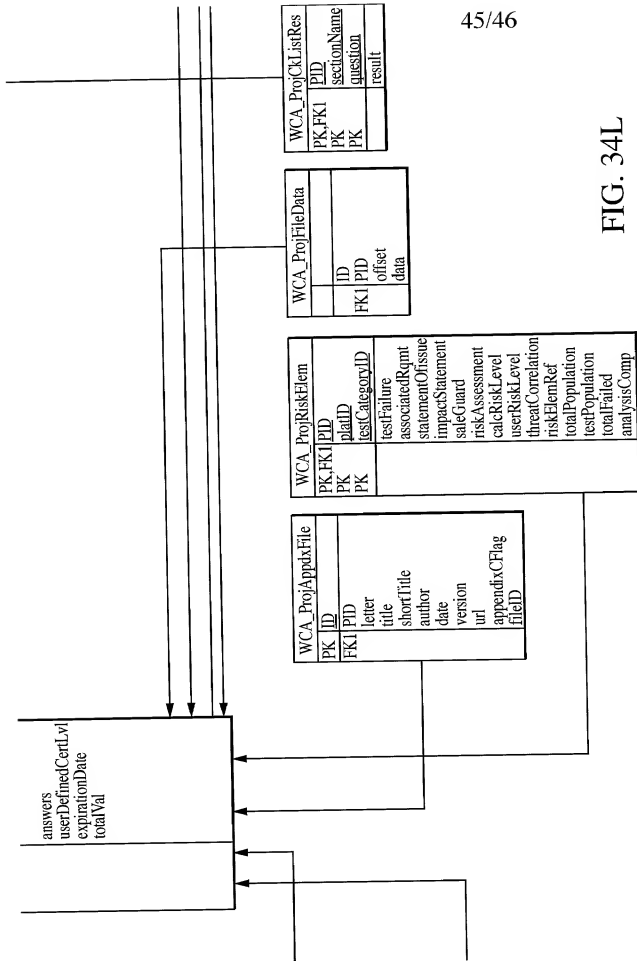


FIG. 34L

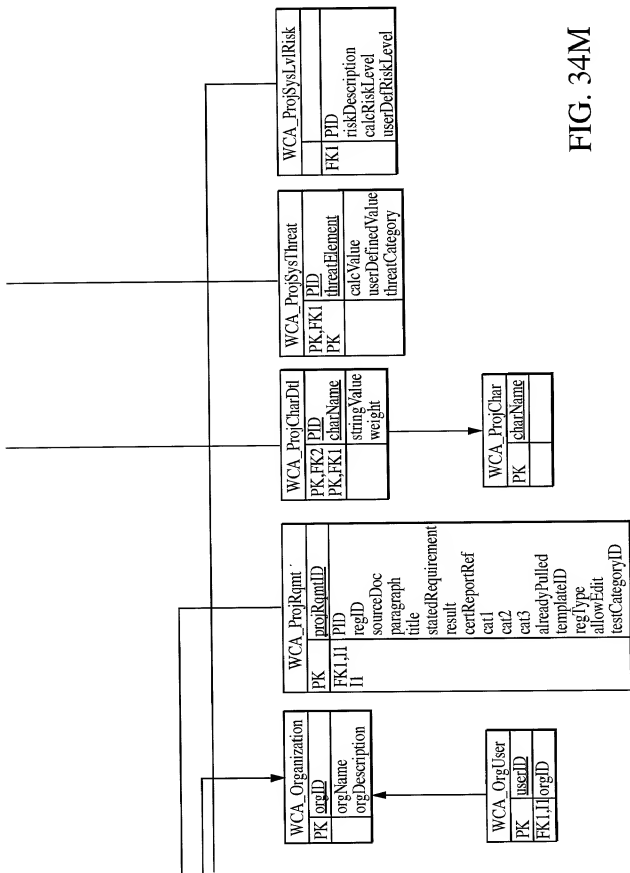


FIG. 34M